

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/698994	US-PGPUB; USPAT	OR	ON	2006/12/21 17:03
S2	1	micro-electromechanical adj reflective adj array	US-PGPUB; USPAT	OR	ON	2005/06/22 17:43
S3	0	brindel-jason.in.	US-PGPUB; USPAT	OR	ON	2005/06/22 17:43
S4	20	brindel.in.	US-PGPUB; USPAT	OR	ON	2005/06/22 17:47
S5	75	mechanic\$ near3 reflector and liquid adj crystal	US-PGPUB; USPAT	OR	ON	2005/06/22 17:49
S6	0	(liquid adj crystal).ti. and mechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/06/22 17:49
S7	22	mechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/12/11 15:56
S8	22	reflector with move and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/22 18:03
S9	1525	349/113-114.cccls.	US-PGPUB; USPAT	OR	ON	2005/06/23 10:28
S10	69	electromechanical adj mirror	US-PGPUB; USPAT	OR	ON	2005/06/22 18:04
S11	24	S10 and (liquid adj crystal)	US-PGPUB; USPAT	OR	ON	2005/06/22 18:06
S12	0	mechanical adj transflector	US-PGPUB; USPAT	OR	ON	2005/06/22 18:07
S13	0	electromechanical adj transflector	US-PGPUB; USPAT	OR	ON	2005/06/22 18:07
S14	0	electromechanical with transflector	US-PGPUB; USPAT	OR	ON	2005/06/22 18:07
S15	5	mechanical with transflector	US-PGPUB; USPAT	OR	ON	2005/06/22 18:14
S16	3	"349"/\$.cccls. and mmr	US-PGPUB; USPAT	OR	ON	2005/06/23 10:38
S17	0	10/742383	US-PGPUB; USPAT	OR	ON	2005/06/23 09:33
S18	2581	mmr	US-PGPUB; USPAT	OR	ON	2005/06/23 09:33
S19	1	S18 and (transflect\$)	US-PGPUB; USPAT	OR	ON	2005/06/23 09:33
S20	883	S18 and reflect\$5 and transmi\$7	US-PGPUB; USPAT	OR	ON	2005/06/23 09:34
S21	110	S20 and (liquid adj crystal)	US-PGPUB; USPAT	OR	ON	2005/06/23 14:28

## EAST Search History

S22	12	"349"/\$.ccls. and flip with mode	US-PGPUB; USPAT	OR	ON	2005/06/23 10:42
S23	305	reflector with mode and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/23 10:43
S24	2	flip adj phone and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/23 10:50
S25	21	flip adj phone and reflector	US-PGPUB; USPAT	OR	ON	2005/06/23 13:13
S26	2522	micro-electromechanical	US-PGPUB; USPAT	OR	ON	2005/06/23 13:14
S27	1	micro-electromechanical adj reflect\$	US-PGPUB; USPAT	OR	ON	2005/06/23 13:37
S28	13	transflective adj display.ti.	US-PGPUB; USPAT	OR	ON	2005/06/23 13:38
S29	197	transflective with display.ti.	US-PGPUB; USPAT	OR	ON	2005/06/23 13:47
S30	5765	microelectromechanical	US-PGPUB; USPAT	OR	ON	2005/06/23 13:48
S31	3	microelectromechanical adj reflect\$	US-PGPUB; USPAT	OR	ON	2005/06/23 14:25
S32	1	"6034807".pn.	US-PGPUB; USPAT	OR	ON	2005/06/23 14:25
S33	91	(bistable with display).ti.	US-PGPUB; USPAT	OR	ON	2005/06/23 14:29
S34	31	("3553364"   "3648281"   "3846605"   "3897997"   "4160583"   "4176345"   "4383255"   "4564836"   "4786898"   "4794370"   "5062689"   "5083857"   "5142405"   "5196767"   "5231559"   "5280277"   "5285196"   "5382961"   "5389945"   "5444566"   "5552925"   "5600383"   "5636052"   "5638084"   "5677784"   "5754332"   "5784189"   "5784190"   "5790088"   "5835256"   "5923313").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 14:51
S35	1	10/742383	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 15:07
S36	487	349/158.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 19:25

## EAST Search History

S38	3	US-5477351-\$ DID. OR US-5486940-\$ DID. OR US-6292240-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 15:22
S39	3	"5486940".pn. "5477351".pn. "6292240".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 15:23
S40	1	"5486940".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 16:25
S41	23	"6034807"	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:15
S42	36	("3553364"   "3648281"   "3846605"   "3897997"   "4160583"   "4176345"   "4383255"   "4564836"   "4786898"   "4794370"   "5062689"   "5083857"   "5111193"   "5142405"   "5196767"   "5231559"   "5280277"   "5285196"   "5382961"   "5389945"   "5444566"   "5504614"   "5552925"   "5600383"   "5629794"   "5636052"   "5638084"   "5677784"   "5754332"   "5784189"   "5784190"   "5790088"   "5835256"   "5923313"   "6005649"   "6329967").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 19:37
S43	2494	dmd and liquid adj crystal	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 19:38
S44	209	"349"/\$.ccls. and dmd	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 19:38
S45	16	("3861783"   "5475514"   "5539550"   "5661531"   "5674758"   "5711693"   "5748268"   "5757443"   "5757445"   "5812226"   "5854616"   "5867236"   "5875011"   "6005649"   "6097455"   "6115092").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:03
S46	2	("6639572").URPN.	USPAT	OR	ON	2005/06/23 20:05
S47	6	("4288788"   "5636052"   "5841579"   "5945898"   "6009648"   "6034807").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:06

## EAST Search History

S48	39	transflector with mirror	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:06
S49	3	("6556261").URPN.	USPAT	OR	ON	2005/06/23 20:08
S50	18	micro-display and "349"/\$.ccls.	USPAT	OR	ON	2005/06/23 20:11
S51	176	electric with mirror and "349"/\$.ccls.	USPAT	OR	ON	2005/06/23 20:13
S52	0	mechanical adj mirror and "349"/\$.ccls.	USPAT	OR	ON	2005/06/23 20:13
S53	2	mechanical adj reflector and "349"/\$.ccls.	USPAT	OR	ON	2005/06/23 20:13
S54	160	micromirror and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:15
S55	85	S54 and transmissive and reflective	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:16
S56	7	S54 and (transmissive and reflective) adj mode	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:16
S57	31	("3553364"   "3648281"   "3846605"   "3897997"   "4160583"   "4176345"   "4383255"   "4564836"   "4786898"   "4794370"   "5062689"   "5083857"   "5142405"   "5196767"   "5231559"   "5280277"   "5285196"   "5382961"   "5389945"   "5444566"   "5552925"   "5600383"   "5636052"   "5638084"   "5677784"   "5754332"   "5784189"   "5784190"   "5790088"   "5835256"   "5923313").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:18
S58	4	("5790088").URPN.	USPAT	OR	ON	2005/06/23 20:18
S59	4	("4549223"   "5062689"   "5078479".   "5233459").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:22
S60	203	359/874.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 20:24
S61	37	359/230.ccls. and liquid adj crystal	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 21:16

## EAST Search History

S62	1	"20010048396"	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 21:16
S63	27	baek.in. and transflective.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 21:17
S64	418	349/114.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 21:19
S65	136	moon.in. and "349"/\$.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 21:25
S66	20	transflector.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 21:27
S67	125	transflective.ti. and 349/114.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:24
S68	13	("20020036730"   "20020105608"   "20020145688"   "20020154257"   "20020180911"   "20020180913"   "20030210369"   "20040027510"   "20040036817"   "6204902"   "6317181"   "6493051"   "6686980").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:05
S69	1359	light adj emitting adj diode and "349"/\$.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:05
S70	646	light adj source with light adj emitting adj diode and "349"/\$. cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:05
S71	153	349/69.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:16
S72	87	lambertian adj diffuser	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:17
S73	17	S72 and "349"/\$.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:18
S74	126	light adj emitting adj diode with light adj source and "349"/\$.cccls. and diffuser	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:30
S75	0	transflect\$ and photodiode with ambient and "349"/\$.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 22:31

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S76	7	photodiode with ambient and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 23:40
S77	31	"349"/\$.ccls. and housing.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/24 13:04
S78	1676	driving adj method.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/24 13:05
S79	361	driving adj method.ti. with liquid adj crystal	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/24 13:05
S80	0	"349"/\$.ccls. and micromechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/12/11 15:57
S81	0	"349"/\$.ccls. and micro-mechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/12/11 15:57
S82	0	"349"/\$.ccls. and microelectromechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/12/11 15:57
S83	2	microelectromechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/12/11 15:57
S84	9	micromechanical adj reflector	US-PGPUB; USPAT	OR	ON	2005/12/11 15:57
S85	1	"6034807".pn.	US-PGPUB; USPAT	OR	ON	2005/12/11 16:42
S86	52	("3553364"   "3648281"   "3846605"   "3897997"   "4160583"   "4176345"   "4383255"   "4564836"   "4786898"   "4794370"   "5062689"   "5083857"   "5142405"   "5196767"   "5231559"   "5280277"   "5285196"   "5382961"   "5389945"   "5444566"   "5552925"   "5600383"   "5636052"   "5638084"   "5677784"   "5754332"   "5784189"   "5784190"   "5790088"   "5835256"   "5923313").PN. OR ("6034807").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 16:47
S87	179	"349"/\$.ccls. and micromirror	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 16:55
S88	1458	liquid adj crystal adj display and micromirror	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 16:55

## EAST Search History

S89	338	(mmr dmd mechanical with mirror) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/23 15:31
S90	112	(mmr mechanical with mirror) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/23 15:31
S91	5	("3891309"   "4095217"   "5818554"   "5841496"   "6147728").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:41
S92	3	349/114.ccls. and dmd	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:45
S93	0	dmd with transflector	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:45
S94	41	mirror with transflector	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:46
S95	0	dmd with translect\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:46
S96	7	(mechanical) with translect\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:48
S97	4	micromirror with translect\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:48
S98	7	("3891309"   "4095217"   "5818554"   "5841496"   "6147728").PN. OR ("6433847").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:54
S99	50	(digital adj micromirror).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:56
S100	75	electromechanical adj mirror	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:57
S101	25	electro-mechanical adj mirror	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:57
S102	100	S100 S101	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 15:57
S103	1	"6750932".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 16:18
S104	10	micro-mechanical and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/23 17:00

## EAST Search History

S10 5	106	micro-mechanical and liquid adj crystal and (transflective (transmissive and reflective))	US-PGPUB; USPAT	OR	ON	2005/12/23 17:19
S10 6	1	"6034807".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 17:19
S10 7	52	("3553364"   "3648281"   "3846605"   "3897997"   "4160583"   "4176345"   "4383255"   "4564836"   "4786898"   "4794370"   "5062689"   "5083857"   "5142405"   "5196767"   "5231559"   "5280277"   "5285196"   "5382961"   "5389945"   "5444566"   "5552925"   "5600383"   "5636052"   "5638084"   "5677784"   "5754332"   "5784189"   "5784190"   "5790088"   "5835256"   "5923313").PN. OR ("6034807"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 17:20
S10 8	14	("1765215"   "2798148"   "3267595"   "3591721"   "3868610"   "5111193"   "5231689").PN. OR ("5790088"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 17:24
S10 9	15	("1765215"   "2798147"   "3267595"   "3591721"   "3868610"   "4833806"   "4974353"   "5111193"   "5231689"   "5500652"   "5790088").PN. OR ("6118418"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 17:25
S11 0	4	("5790088").URPN.	USPAT	OR	ON	2005/12/23 17:25
S11 1	1	("6118418").URPN.	USPAT	OR	ON	2005/12/23 17:26
S11 2	7	("1594703"   "4389804"   "4761905"   "4769638"   "4800381"   "4833806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 17:29
S11 3	38	("5078479"   "5579151"   "5629794").PN. OR ("5784190"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:05
S11 4	1	"6034807".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:05

## EAST Search History

S11 5	513	349/158.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:18
S11 6	1747	349/113-114.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:24
S11 7	429	"349"/\$.ccls. and (acoustic sound)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:27
S11 8	2	tsuboi.in. and 349/158.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:26
S11 9	429	"349"/\$.ccls. and "349"/\$.ccls. and (acoustic sound)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:27
S12 0	10	"349"/158.ccls. and (acoustic sound)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:28
S12 1	2	morimoto.in. and 349/158.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 18:28
S12 2	1	"6750932".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 18:51
S12 3	1	"6034807".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 19:19
S12 4	1	"6329987".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 19:19
S12 5	0	"63299867".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 19:19
S12 6	1	"6329967".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 19:20
S12 7	1	"6639572".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 19:20
S12 8	0	2002/0060380	US-PGPUB; USPAT	OR	ON	2005/12/23 19:34
S12 9	1	"20020060380"	US-PGPUB; USPAT	OR	ON	2005/12/23 20:08
S13 0	1	10/771445	US-PGPUB; USPAT	OR	ON	2005/12/23 20:08
S13 1	1	"6473145".pn.	US-PGPUB; USPAT	OR	ON	2006/01/04 10:46
S13 2	170	349/192.ccls.	US-PGPUB; USPAT	OR	ON	2006/01/04 10:46
S13 3	672	349/114.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/26 07:21

## EAST Search History

S13 4	137	349/114.ccls. and (transflective with advantage)	US-PGPUB; USPAT	OR	ON	2006/06/26 07:22
S13 5	396	349/114.ccls. and (transflective)	US-PGPUB; USPAT	OR	ON	2006/06/26 07:23
S13 6	1	10/699397	US-PGPUB; USPAT	OR	ON	2006/06/26 07:48
S13 7	1046	349/58.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/26 07:48
S13 8	109	349/58.ccls. and housing with support	US-PGPUB; USPAT	OR	ON	2006/06/26 08:08
S13 9	1	"20040125251"	US-PGPUB; USPAT	OR	ON	2006/06/26 08:25
S14 0	1	10/9655567	US-PGPUB; USPAT	OR	ON	2006/06/26 08:45
S14 1	85	"349"/\$.ccls. and organic adj semiconductor	US-PGPUB; USPAT	OR	ON	2006/06/26 08:45
S14 2	1	"6344847".pn.	US-PGPUB; USPAT	OR	ON	2006/12/21 17:03
S14 3	1	"6433847".pn.	US-PGPUB; USPAT	OR	ON	2006/12/21 17:30
S14 4	1	10/699397	US-PGPUB; USPAT	OR	ON	2006/12/21 17:30